












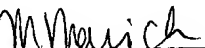




FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT				ATTORNEY DOCKET NO.: RBN-001DV APPLICANTS: Keene <i>et al.</i> SERIAL NO.: 10/629,453 FILING DATE: July 29, 2003 GROUP: 1645-1630				
U.S. PATENT DOCUMENTS <i>M. Harvich</i>								
EXAM. INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
<i>mm</i>	A1	5,444,149	08/22/95	Keene et al.	530	300		
<i>mm</i>	A2	5,525,495	06/11/96	Keene et al.	435	172.3		
<i>mm</i>	A3	5,541,291	07/30/96	Keene	530	350		
<i>mm</i>	A4	5,561,222	10/01/96	Keene et al.	530	350		
<i>mm</i>	A5	5,773,246	06/30/98	Keene et al.	435	69.1		
<i>mm</i>	A6	5,866,680	02/02/99	Keene et al.	530	324		
<i>mm</i>	A7	5,882,866	03/16/99	Keene	435	6		
<i>mm</i>	A8	5,972,620	10/26/99	Keene	435	6		
FOREIGN PATENT DOCUMENTS								
EXAM. INIT.	DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
<i>mm</i>	B1	WO 94/06934	03/31/94	PCT	CI2Q	1/68		
OTHER ART, JOURNAL ARTICLES, ETC.								
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)							
<i>mm</i>	C1	Anderson, N.E., <i>et al.</i> , "Autoimmune Pathogenesis of Paraneoplastic Neurological Syndromes," <u>CRC Critical Reviews in Neurobiology</u> Vol. 3; pp. 245-299 (1987)						
<i>mm</i>	C2	Antic, D., <i>et al.</i> , "ELAV Tumor Antigen, Hcl-N1, by Increases Translation of Neurofilament M mRNA and Induces Formation of Neurites in Human Teratocarcinoma Cells," <u>Genes & Development</u> Vol. 13; pp. 449-461 (1999)						
<i>mm</i>	C3	Antic, D., <i>et al.</i> , "Embryonic Lethal Abnormal Visual RNA-binding Proteins Involved in Growth, Differentiation, and Posttranscriptional Gene Expression," <u>American Journal of Human Genetics</u> Vol. 61; pp. 273-278 (1997)						
EXAMINER <i>M. Harvich</i>				DATE CONSIDERED <i>11/22/04</i>				

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OTHER ART, JOURNAL ARTICLES, ETC.			
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)		
mm	C4	Atasoy, U., <i>et al.</i> , "ELAV Protein HuA (HuR) can Redistribute Between the Nucleus and Cytoplasm and is Unregulated During Serum Stimulation and T Cell Activation," <u>Journal of Cell Science</u> Vol. 111; pp. 3145-3156 (1998)	
mm	C5	Buckanovich <i>et al.</i> , "The Neuronal RNA Binding Protein Nova-1 Recognizes Specific RNA Targets In Vitro and In Vivo," <u>Molecular and Cellular Biology</u> , 17(6):3194-3201 (1997).	
mm	C6	Ceman <i>et al.</i> , "Isolation of an FMRP-Associated Messenger Ribonucleoprotein Particle and Identification of Nucleolin and the Fragile X-Related Proteins as Components of the Complex," <u>Molecular and Cellular Biology</u> , 19(12):7925-7932 (1999).	
mm	C7	Chambers, J.C., <i>et al.</i> , "Isolation and Analysis of cDNA Clones Expressing Human Lupus La Antigen," <u>Proc. Natl. Acad. Sci. USA</u> Vol. 82; pp. 2115-2119 (1985)	
mm	C8	Chu <i>et al.</i> , "Identification of a Thymidylate Synthase Ribonucleoprotein Complex in Human Cancer Cells," <u>Molecular and Cellular Biology</u> , 14(1):207-213 (1994).	
mm	C9	Crino, P., <i>et al.</i> , "Presence and Phosphorylation of Transcription Factors in Developing Dendrites," <u>Proc. Natl. Acad. Sci. USA</u> Vol. 95; pp. 2313-2318 (1998)	
mm	C10	Dalmau, J., <i>et al.</i> , "The Expression of the Hu Antigen in Human Normal and Tumor Tissues," <u>American Journal of Pathology</u> Vol. 141; pp. 881-886 (1999)	
mm	C11	Duggan, D.J., <i>et al.</i> , "Expression Profiling using cDNA Microarrays," <u>Nature Genetics</u> Vol. 21; pp. 10-14 (1999).	
mm	C12	Fan, X.C., <i>et al.</i> , "Overexpression of HuR, a Nuclear-Cytoplasmic Shuttling Protein, Increases the <i>in vivo</i> Stability of ARE-Containing mRNAs," <u>The EMBO Journal</u> Vol. 17; pp. 3448-3460 (1998)	
mm	C13	Gao, F.B., <i>et al.</i> , "Hel-N1/Hel-N2 Proteins are Bound to PolyA + mRNA in Granular RNP Structures and are Implicated in Neuronal Differentiation," <u>Journal of Cell Science</u> Vol. 109, pp. 579-589 (1995)	
mm	C14	Gao, F., <i>et al.</i> , "Selection of a Subset of mRNAs from 3'UTR Combinatorial Libraries Using Neuronal RNA-Binding Protein, Hel-N1," <u>Proc. Natl. Acad. Sci. USA</u> Vol. 91; pp. 11207-11211 (1994)	
mm	C15	Good, P.J., "A Conserved Family of Elav-Like Genes in Vertebrates," <u>Proc. Nat. Acad. Sci.</u> Vol. 92; pp. 4557-4561 (1995)	
mm	C16	International Search Report for PCT/US00/35583, April 18, 2001	
mm	C17	Jain, R.G., <i>et al.</i> , "Ectopic Expression of Hel-N1, and RNA-Binding Protein, Increases Glucose Transporter (GLUT1) Expression in 3T3-L1 Adipocytes," <u>Molecular and Cellular Biology</u> Vol. 17; pp. 954-962 (1997)	
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mm		11/22/04	

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OTHER ART, JOURNAL ARTICLES, ETC.		
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
<i>mm</i>	C18	Keene, J.D., "Combinatorial Chemistry: Randomization and Selection of RNA to Identify Targets for RRM RNA-Binding Proteins and Antibodies," <u>Methods in Enzymology</u> , J.E. Dahlberg and J.N. Abelson, Eds., Academic Press, Inc. San Diego Vol. 267; pp. 367-383 (1996)
<i>mm</i>	C19	Keene, J.D., "Invited Commentary: Why is Hu Where? Shuttling of Early-Response Gene Messenger RNA Subsets," <u>Proc. Natl. Acad. Sci. USA</u> Vol. 96; pp. 5-7 (1999)
<i>mm</i>	C20	Keene, J.D., "Methods and Compositions Useful in the Diagnosis and Treatment of Autoimmune Diseases," <u>Biotechnology Advances</u> , GB Vol. 15; p. 525 Abstract (1997)
<i>mm</i>	C21	Keene, J.D., "RNA Surfaces as Functional Mimetics of Proteins," <u>Chemistry & Biology</u> Vol. 3; pp. 505-513
<i>mm</i>	C22	King, P.H., <i>et al.</i> , "Mammalian Homologs of Drosophila ELAV Localized to a Neuronal Subset can Bind <i>in vitro</i> to the 3' UTR of mRNA Encoding the Id Transcriptional Repressor," <u>Journal of Neuroscience</u> Vol. 14; pp. 1943-3504 (1993)
<i>mm</i>	C23	Levine, T.D., <i>et al.</i> , "Hel-N1: An Automimmune RNA-Binding Protein with Specificity for 3' Uridylate-Rich Untranslated Regions of Growth Factor mRNAs," <u>Molecular and Cellular Biology</u> , Vol. 13; pp. 3494-3504 (1994)
<i>mm</i>	C24	Levy, N.S., <i>et al.</i> , "Hypoxic Stabilization of Vascular Endothelial Growth Factor mRNA by the RNA-Binding Protein, HuR," <u>Journal of Biological Chemistry</u> Vol. 273; pp. 6417-6423 (1998)
<i>mm</i>	C25	Loftus, S.K., <i>et al.</i> , "Informatic Selection of a Neural Crest-Melanocyte cDNA set for Microarray Analysis," <u>Proc. Natl. Acad. Sci. USA</u> Vol. 96; pp. 9277-9280 (1999)
<i>mm</i>	C26	Lutz-Freyermuth, C., <i>et al.</i> , "The UI RNA Binding Site of the UI snRNP-Associated A Protein Suggests a Similarity with U2 snRNPs," <u>Molecular and Cellular Biology</u> Vol. 9; pp. 2975-2982 (1989)
<i>mm</i>	C27	Peng, S., <i>et al.</i> , "RNA Stabilization by the AU-Rich Element Binding Protein, HuR, an ELAV Protein," <u>The EMBO Journal</u> Vol. 17; pp. 3461-3470 (1998)
<i>mm</i>	C28	Perou, C.M., <i>et al.</i> , "Distinctive Gene Expression Patterns in Human Mammary Epithelial Cells and Breast Cancers," <u>Proc. Natl. Acad. Sci. USA</u> Vol. 96; pp. 9212-9217 (1999)
<i>mm</i>	C29	Reimi <i>et al.</i> , "The RRM Protein NonA from Drosophila Forms a Complex with the RRM Proteins Hrb87F and S5 and the Zn Finger Protein PEP on hnRNA," <u>Experimental Cell Research</u> , 253:573-586 (1999).
<i>mm</i>	C30	Richter, J.D., "Analysis of mRNA Formation and Function," <u>Academic Press</u> , San Diego, p. 237-261 (1997)
<i>mm</i>	C31	Schiavi, S.C., <i>et al.</i> , "Regulation of Proto-Oncogene mRNA Stability," <u>Biochemical and Biophysical Acta</u> Vol. 1114; pp. 95-106 (1992)
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OTHER ART, JOURNAL ARTICLES, ETC.		
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
	C32	Sgroi, D.C., <i>et al.</i> , "In Vivo Gene Expression Profile Analysis of Human Breast Cancer Progression," <u>Cancer Research</u> Vol. 59; pp. 5656-5661 (1999)
	C33	Shinkets, <i>et al.</i> , "Nature Biotechnology," Vol. 17, 798-803 (1999)
	C34	Tenenbaum, S.A., <i>et al.</i> , "Identifying mRNA Subsets in Messenger Ribonucleoprotein Complexes by using cDNA Arrays," <u>Proc. Natl. Acad. Sci. USA</u> Vol. 97; pp. 14085-14090 (2000)
	C35	Tsai, D.E., <i>et al.</i> , "In Vitro Selection of an RNA Epitope Immunologically Cross-Reactive with a Peptide," <u>Proc. Natl. Acad. Sci. USA</u> Vol. 89; pp. 8864-8868 (1992)
	C36	Tsai, D.E., <i>et al.</i> , "U1snRNP-A Protein Selects a Ten Nucleotide Consensus Sequence from a Degenerate RNA Pool Presented in Various Structural Contexts," <u>Nucleic Acids Research</u> Vol. 19; 4931-4936 (1991)
	C37	Velculescu, V.E., <i>et al.</i> , <u>Cell</u> Vol. 88; pp. 243-251 (1997)
	C38	Velculescu, V.E., <i>et al.</i> , "Serial Analysis of Gene Expression," <u>Science</u> Vol. 270; pp. 484-487 (1995)
	C39	Wang, W., <i>et al.</i> , "HuR Regulates Cyclin A and Cyclin B1 mRNA Stability During Cell Proliferation," <u>The EMBO Journal</u> Vol. 19; pp. 1-12 (2000)
	C40	Wen, X., <i>et al.</i> , "Large-Scale Temporal Gene Expression Mapping of Central Nervous System Development," <u>Proc. Natl. Sci. Acad. USA</u> Vol. 95; 334-339 (1998)
	C41	Yang, G.P., <i>et al.</i> , "Combining SSH and cDNA Microarrays for Rapid Identification of Differentially Expressed Genes," <u>Nucleic Acids Research</u> Vol. 27; pp. 1517-1523 (1999)
	C42	Zhang, J., <i>et al.</i> , "A Novel Cytoplasmic Protein with RNA-Binding Motifs is an Autoantigen in Human Hepatocellular Carcinoma," <u>Journal of Experimental Medicine</u> Vol. 189; pp. 1101-1110 (1999)
	C43	Zhao, R., <i>et al.</i> , "Analysis of p53-Regulated Gene Expression Patterns using Oligonucleotide Arrays," <u>Genes & Development</u> Vol. 14; pp. 981-993 (2000)
	C44	Zong, Q., <i>et al.</i> , "Messenger RNA Translation State: The Second Dimension of High-Throughput Expression Screening," <u>Proc. Natl. Acad. Sci. USA</u> Vol. 96; pp. 10632-10636 (1999)
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	11/22/04	

